

Title (en)
INHIBITORS AND TARGET MOLECULE CO-LOCALIZATION

Title (de)
KOLOKALISATION VON ZIELMOLEKUEL UND SEINEM INHIBITOR

Title (fr)
CO-LOCALISATION D'UNE MOLECULE CIBLE ET DE SES INHIBITEURS

Publication
EP 0707493 A4 19990331 (EN)

Application
EP 95904785 A 19941202

Priority
• US 9413798 W 19941202
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Abstract (en)
[origin: WO9519788A1] The invention provides mechanisms for the co-localization in a living cell of a target molecule and of an inhibitor for the target molecule. The invention also provides novel chimeric tRNA<LYS>-ribozyme molecules that compete effectiely with tRNA<LYS> for HIV-1 reverse transcriptase binding sites. The chimeric human tRNA<LYS>-ribozymes inhibit reverse HIV transcription by delivering inhibitors such as ribozymes of HIV-1 reverse transcriptase directly to the virion particle and render it non-functional. The chimeric molecules of the invention thus serve as highly specific non-toxic therapeutic agents and vaccines for viral, including lentiviral, infections. These chimeric molecules also reveal a novel, site specific RNA cleaving activity of HIV-1.

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IPC 8 full level
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C12N 9/22 (2013.01); **C12N 15/1132** (2013.01); **C12Q 1/703** (2013.01); **A61K 38/00** (2013.01); **A61K 39/00** (2013.01); **C07K 2319/00** (2013.01); **C12N 2310/111** (2013.01); **C12N 2310/121** (2013.01)

Citation (search report)
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• See also references of WO 9519788A1

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